

STATE OF KANSAS
KANSAS DEPARTMENT OF TRANSPORTATION

SPECIFICATIONS
FOR
FULLY ENCLOSED JOBSITE TRAILER

The following specifications and dimensions shall apply to purchases of TANDEM AXLE EQUIPMENT TRAILERS for the Kansas Department of Transportation. The State reserves the right to waive minor technicalities under this specification. Federal and State laws supersede any conflicting part of this specification.

The unit shall be a current model, new and unused under, standard production by the manufacturer. The components parts of the unit shall be of proper size and design to safely withstand maximum stresses imposed in anticipated usage. All parts utilized on the unit shall be new and unused.

The bidder agrees, if his proposal is accepted, to guarantee the design, material and workmanship of the unit bid according to the standard factory warranty, or for one year, whichever is greater. A copy of the warranty shall accompany the bid. Warranty coverage shall include costs of transporting the unit to and from dealer's shop, when outside a 150 mile radius of the delivery point.

Complete specifications and literature on the unit bid shall accompany the bid. Any exceptions to these specifications shall be indicated on the bid or on a separate attachment to the bid, labeled as such.

Any "or equal" or "equivalent" items for brand specified components shall be listed with the bid package. Complete description and literature on the "or equal" components shall be supplied for consideration by the KDOT. The burden of proof regarding "or equal" items will be upon the vendor.

PRE-DELIVERY SERVICE: The unit shall be **delivered complete and fully operational**. It shall be properly serviced, free of leaks, and all mechanical adjustments made prior to delivery. A minimum of **two days notice prior to delivery** shall be given to the person to whom the unit is to be shipped.

MANUALS: A parts manual, operator and a service manual shall be supplied with each unit, with one additional set of manuals supplied to each delivery point. The manuals shall fully and clearly cover all components of the unit.

FULLY ENCLOSED JOBSITE TRAILER

SHOW MFG. & MODEL OFFERED: _____

<u>MFG. CODE</u>	<u>EXCEPTIONS TO SPECIFICATION</u>	<u>SPECIFICATIONS</u>
GENERAL ASSEMBLY:		
_____	_____	The unit shall be an enclosed trailer with a fold down rear door that can be used for a ramp.
_____	_____	The unit shall comply with all Federal Motor Carrier Safety Regulations.
_____	_____	The unit shall have tandem torsion axles, 3500 pound capacity each, minimum. The axles shall be located in such a position that the load will be properly divided between the front and rear of the trailer with 15 to 20 percent of the GVW on the hitch.
_____	_____	The roof and all external openings shall be designed to be water tight to prevent the permeation of water from the outside in. All external doors shall have positive weather seal that protects tools and materials stored inside from road dirt and weather.
CAPACITY:		
_____	_____	The payload capacity of the unit, excluding the weight of the unit, shall be a minimum of 2 tons (4,000 pounds) and be capable of safely traveling at 65 miles per hour.
PAINT:		
_____	_____	All painted surfaces shall be properly prepared, primed and painted. The manufactures standard factory paint and paint color will be acceptable with orange being the preferred color. Wheels may be painted white.

<u>MFG. CODE</u>	<u>EXCEPTIONS TO SPECIFICATION</u>	<u>SPECIFICATIONS</u>
<u>FRAME:</u>		
<hr/>	<hr/>	The frame shall be of electrically welded structural steel capable of safely supporting an 3.5 ton load. The longitudinal members shall be 6" I-beam, minimum. The cross bracing shall be equally spaced on a maximum of 32" centers the full length of the trailer. Each shall be one piece construction across the full width of the frame.
<u>BODY:</u>		
<hr/>	<hr/>	Inside body width shall be a minimum of 6'6" between wheel wells. Inside height shall be 6'3" minimum. The body length shall be a minimum of 14'0". The tongue length ahead of the body shall be 5' minimum.
<hr/>	<hr/>	The deck shall be made of a minimum of 3/4" Plywood. Flush mounted tie down points shall be spaced 2 feet apart along each side of the deck with a minimum load rating of 1,000 lbs. each.
<hr/>	<hr/>	The roof shall be curved or sloped from the center to assist in drainage.
<hr/>	<hr/>	The unit shall have fully encompassing fenders.
<hr/>	<hr/>	The ceiling and walls of the enclosure shall be built with metal-frame construction covered with aluminum sheeting on outside and the interior walls shall be covered with 3/8" plywood.
<hr/>	<hr/>	Rear door shall be a drop-down, spring-loaded ramp door that will allow a 1,200 pound load to be rolled up the ramp & into the trailer. The opening shall be full width and at least 6' high.

<u>MFG. CODE</u>	<u>EXCEPTIONS TO SPECIFICATION</u>	<u>SPECIFICATIONS</u>
<u>BODY (continued):</u>		
_____	_____	The unit shall have a 36" wide, side entry door located on the curb side near front of body. The door shall have a full width pullout or foldout step with a minimum depth of 4" and each step shall be equally spaced. The lowest step shall be a maximum of 6" from the ground.
_____	_____	All door latch assemblies shall have the capability to accept pad lock.
<u>TIRES:</u>		
_____	_____	The unit shall have low profile tubeless tires appropriately sized to capacity of axles. Unit shall use 15"- 5 bolt rims minimum.
<u>JACKS:</u>		
_____	_____	The trailer shall be equipped with a 3,000 pound capacity screw type adjustable jack on the tongue for use when the trailer is not connected to the towing unit. The jack shall be capable of being locked in the stored position when the trailer is in transit.
_____	_____	Two independently adjustable 3,000 pound capacity screw-type leveling jacks shall be installed on the rear of the trailer.
<u>HITCH:</u>		
_____	_____	The unit shall be equipped with a heavy duty pintle type hitch that is adjustable between 16 and 24 inches from the ground.
_____	_____	The unit shall be equipped with heavy duty drawbar safety chains.

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<u>BRAKES:</u>		
_____	_____	The unit shall be equipped with hydraulic surge brakes.
<u>ELECTRIC BRAKE OPTION:</u>		
_____	_____	When specified in the Request for Quotation, pricing shall be furnished for the unit to have electric brakes.
<u>LIGHTS & WIRING:</u>		
_____	_____	All lighting shall comply with the Federal Motor Vehicle Laws and the Motor Vehicle Laws of the State of Kansas.
_____	_____	All external wiring shall be Type STO, size 14 AWG, Hard Service Cord with an oil resistant thermoplastic outer covering and 45 mils nominal thickness of thermoplastic or rubber insulation.
_____	_____	All external wiring shall be held in place by bolted vinyl covered metal bands placed approximately every 15 inches.
_____	_____	All internal wiring shall be held in place by bolted vinyl covered metal bands placed approximately every 24" located in a main access channel or accessible through removable plates.
_____	_____	All wire splices shall be soldered with plastic or resin type solder (acid not approved) and sealed with dual-wall polyefin Heat Shrinkable Tubing with an inner wall which melts into voids of wired or mechanical connections.
_____	_____	Two 12-volt ceiling lights with wall switches shall be provided, with one centered over the area ahead of the axle and the other centered over the area behind the axle.

<u>MFG. CODE</u>	<u>EXCEPTIONS TO SPECIFICATION</u>	<u>SPECIFICATIONS</u>
<u>LIGHTS & WIRING (continued):</u>		
<hr/>	<hr/>	Unit shall be equipped with the appropriate clearance lights, trio lights, rear identification lights, reflectors, and rear mounted Type A dual tail, stop and directional lights.
<hr/>	<hr/>	A light shall be mounted to illuminate the license plate on the rear of the unit.
<hr/>	<hr/>	A seven-way plug connection, Cole-Hersee #1255 or equivalent, at the front of the trailer shall be furnished for connecting lights to towing unit.
<u>ACCESSORIES:</u>		
<hr/>	<hr/>	The unit shall be equipped with plain, non-plastic mud flaps.
<hr/>	<hr/>	A full sized spare tire and rim shall be provided.
<u>GENERAL:</u>		
<hr/>	<hr/>	The component parts of the unit shall be of proper size and design to safely withstand maximum stresses imposed in anticipated usage.